

S/N 09/602,840

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Julie A. Kiriha et al.

Examiner: Unknown

Serial No.: 09/602,840

Group Art Unit: 1638

Filed: June 23, 2000

Docket: 950.011US2

Title: METHOD FOR ALTERING THE NUTRITIONAL CONTENT OF PLANT SEED

SUPPLEMENTAL PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the "Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures" mailed October 02, 2001, and to supplement the Preliminary Amendment filed June 23, 2001, please amend the above-identified patent application as follows:

In the Specification

Please enter the enclosed SEQUENCE LISTING into the specification.

In the Claims

Please substitute the current claim set in the appendix entitled "Clean Version of the Pending Claims" for the previously pending claim set. Specific amendments to the claims are detailed in the following marked up set of claims.

Please add the following claims:

- 101
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18.00 CH
- 01/01/03
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00000002 134125 09602840
- (New) A method of producing a *Zea mays* seed with increased starch content, comprising:
- (a) growing a transgenic *Zea mays* plant, the genome of which is augmented with a preselected DNA sequence encoding an RNA molecule which is substantially identical, or complimentary, to a mRNA encoding a seed storage protein, wherein the preselected DNA sequence is expressed in the cells of the *Zea mays* plant in an amount sufficient to decrease the amount of seed storage protein; and
 - (b) selecting a seed from the transgenic *Zea mays* plant, wherein the seed has an increased amount of starch relative to the amount of starch in a seed selected from a plant which does not comprise said preselected DNA sequence.